



# NORTH SYSTEM Secondary Constituents

## Secondary and Other Not Regulated Constituents

Year	Constituent	Average Level	Minimum Level	Maximum Level	Limit	Unit of Measure	Source of Containment
2002	Bicarbonate	234.000	234	234	NA	ppm	Corrosion of carbonate rocks such as limestone.
2002	Calcium	46.500	46.5	46.5	NA	ppm	Abundant naturally occurring element.
2002	Chloride	45.000	45	45	300	ppm	Abundant naturally occurring element, used in water purification; byproduct of oil field activity.
2002	Iron	0.085	0.085	0.085	0.3	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
2002	Magnesium	9.770	9.77	9.77	NA	ppm	Abundant naturally occurring element.
2002	pH	7.300	7.3	7.3	NA	Units	Measure of corrosivity of water.
2002	Sodium	52.800	52.8	52.8	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2002	Sulfate	17.000	17	17	300	ppm	Naturally occurring; common industrial byproduct, byproduct of oil field activity.
2002	Total Alkalinity as CaCO <sub>3</sub>	192.000	192	192	NA	ppm	Naturally occurring soluble mineral salts.
2002	Total Dissolved Solids	287.000	287	287	1000	ppm	Total dissolved mineral constituents in water.
2002	Total Hardness as CaCO <sub>3</sub>	156.000	156	156	NA	ppm	Naturally occurring calcium.



# SOUTH SYSTEM Secondary Constituents

## Secondary and Other Not Regulated Constituents

Year	Constituent	Average Level	Minimum Level	Maximum Level	Limit	Unit of Measure	Source of Containment
2002	Bicarbonate	235.000	235	235	NA	ppm	Corrosion of carbonate rocks such as limestone.
2002	Calcium	42.200	42.2	42.2	NA	ppm	Abundant naturally occurring element.
2002	Chloride	37.000	37	37	300	ppm	Abundant naturally occurring element, used in water purification; byproduct of oil field activity.
2002	Iron	0.066	0.066	0.066	0.3	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
2002	Magnesium	8.470	8.47	8.47	NA	ppm	Abundant naturally occurring element.
2002	Manganese	12.000	12	12	50	ppm	Abundant naturally occurring element.
2002	pH	7.300	7.3	7.3	NA	Units	Measure of corrosivity of water.
2002	Sodium	54.100	54.1	54.1	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2002	Sulfate	18.000	18	18	300	ppm	Naturally occurring; common industrial byproduct, byproduct of oil field activity.
2002	Total Alkalinity as CaCO <sub>3</sub>	193.000	193	193	NA	ppm	Naturally occurring soluble mineral salts.
2002	Total Dissolved Solids	276.000	276	276	1000	ppm	Total dissolved mineral constituents in water.
2002	Total Hardness as CaCO <sub>3</sub>	140.000	140	140	NA	ppm	Naturally occurring calcium.
2002	Zinc	280.000	280	280	5000	ppb	Moderately abundant naturally occurring element, used in the metal industry.